

REQUEST

For receiving Office use only	
International Application No.	
International Filing Date	
Name of receiving Office and "PCT International Application"	

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty. Applicant's or agent's file reference (if desired) (12 characters maximum) 0519936 Box No. I TITLE OF INVENTION PROCESS FOR TREATING NON-HUMAN ANIMALS Box No. II APPLICANT This person is also inventor Name and address: (Family name followed by given name: for a legal entity: full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) Telephone No. (614) 424-5612 Facsimile No. BATTELLE MEMORIAL INSTITUTE (614) 424-3864 505 King Avenue Teleprinter No. Columbus, Ohio 43201-2693 US Applicant's registration No. with the Office State (that is, country) of nationality: State (that is, country) of residence: US US This person is applicant for the purposes of: the States indicated in the Supplemental Box all designated States all designated States except the United States of America the United States of America only Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is: applicant only GRAHAM, Brian applicant and inventor 7802 Tullymore Drive inventor only (If this check-box is marked, do not fill in below.) Dublin, Ohio 43016 US Applicant's registration No. with the Office State (that is, country) of nationality: State (that is, country) of residence: This person is applicant all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box for the purposes of: Further applicants and/or (further) inventors are indicated on a continuation sheet. AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE The person identified below is hereby/has been appointed to act on behalf common representative agent of the applicant(s) before the competent International Authorities as: Name and address: (Family name followed by given name; for a legal entity, full official designation.

The address must include postal code and name of country.) Telephone No. (513) 651-6131 GOLDSTEIN, Steven J. Facsimile No. FROST BROWN TODD LLC (513) 651-6981 201 East Fifth Street Teleprinter No. 2200 PNC Center Cincinnati, Ohio 45202 US Agent's registration No. with the Office 28,079

Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Form PCT/RO/101 (first sheet) (March 2001; reprint July 2003)

See Notes to the request form

Во	x No.	. V	DESIGNATION OF STATES	•	M	lark the applicable check-boxes below	; at i	leas	one must be marked.
The following designations are hereby made under Rule 4.9(a):									
Re	gion	al P	atent						
	AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (if other kind of protection or treatment desired, specify on dotted line)								
X	EA	RU	rasian Patent: AM Armenia, A J Russian Federation, TJ Tajikis tent Convention and of the PCT	Z A tan,	zerb TM	aijan, BY Belarus, KG Kyrgyzstan, I Turkmenistan, and any other State v	KZ I vhic	Kaza h is	akhstan, MD Republic of Moldova, a Contracting State of the Eurasian
X	EP	European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Grecce, HU Hungary, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, RO Romania, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT							
(22)	OA	G/ TI	A Gabon, GN Guinea, GQ Equa O Chad, TG Togo, and any other	tori Stat	al G e wh	n, CF Central African Republic, CG uinea, GW Guinea-Bissau, ML Malich is a member State of OAPI and a con dotted line)	i, M Cor	R N	Mauritania, NE Niger, SN Senegal, sting State of the PCT (if other kind
Na	tion	al P	atent (if other kind of protection	or	treat	ment desired, specify on dotted line):			
X	ΑE	Unit	ted Arab Emirates	X	HR	Croatia	K	ОМ	Oman
×	\mathbf{AG}	Anti	gua and Barbuda	X	HU	Hungary			
X	AL	Alba	ania	X	ID	Indonesia	X	PH	Philippines
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	CA						-		Sierra Leone
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X	GM	Gan	ıbia	X	ΝZ	New Zealand	XI.	ZW	Zimbabwe
Ch	Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet:								
Pr	ecaut	iona	ry Designation Statement: In	add	ition	to the designations made above, the	арр	lica	nt also makes under Rule 4.9(b) all
oth exc any	other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)								
	applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)								

Sheet	No	3	
SHEEL	IVU.	 	

Box No. VI PRIORITY CLAIM							
The priority of the following earlier application(s) is hereby claimed:							
Filing date	Number	Where earlier application is:					
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office			
item (1) 25 October 2002	60/421,229	US					
item (2)		·					
item (3)							
item (4)							
item (5)							
Further priority claims	are indicated in the Suppleme	ental Box.		<u> </u>			
The receiving Office is required if the earlier application was above as:	ested to prepare and transmit t filed with the Office which for t	to the International Bureau the purposes of this interna	a a certified copy of the entional application is the r	earlier application(s) (only ecciving Office) identified			
all items item ((1)	item (3) item	(4) item (5)	other, see Supplemental Box			
* Where the earlier applicati Industrial Property or one M	on is an ARIPO application, in Tember of the World Trade Or	idicate at least one country ganization for which that e	party to the Paris Conve carlier application was fil	ntion for the Protection of ed (Rule 4.10(b)(ii)):			
Box No. VII INTERNAT	TIONAL SEARCHING AUT	THORITY					
Choice of International Sec	arching Authority (ISA) (if n	wo or more International S	Searching Authorities are	competent to carry out the			
ISA / EP	the Authority chosen; the two-	-letter code may oe useaj;					
Request to use results of ea International Searching Auth	rlier search; reference to the ority):	hat search (if an earlier se	earch has been carried ou	t by or requested from the			
Date (day/month/year)	Numb	er Coun	atry (or regional Office)				
Box No. VIII DECLARAT	ΓΙΟΝS						
The following declarations check-boxes below and indica	The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable Check-boxes below and indicate in the right column the number of each type of declaration): Output Description:						
Box No. VIII (i)							
Box No. VIII (ii)	Box No. VIII (ii) Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent :						
Box No. VIII (iii)	Box No. VIII (iii) Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application :						
Box No. VIII (iv)	Box No. VIII (iv) Declaration of inventorship (only for the purposes of the designation of the United States of America):						
Box No. VIII (v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty :							

Sheet	No	4	

Box No. IX CHECK LIST; LANGUAGE OF FILING							
This international application contains: (a) in paper form, the following number of sheets: This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):							
request (including		_	fee calculation sheet	:			
declaration sheets) :	5	2.	original separate power of attorney	:			
description (excluding sequence listings and/or		3. 🗖	original general power of attorney	:			
tables related thereto) :	13	4. 🗶	copy of general power of attorney; reference number	•			
claims :	6		if any:	· · · · · · · · · · · · · · · · · · ·			
abstract :	1	5.	statement explaining lack of signature	:			
drawings :	4	6. 🔲	priority document(s) identified in Box No. VI as item(s):	:			
Sub-total number of sheets: sequence listings:	29	7. 🗆	translation of international application into (language):	· · · · · · · · · · · · ·			
tables related thereto :		8. 🗆	separate indications concerning deposited microorga				
(for both, actual number of sheets if filed in paper form, whether or not also filed in		9. 🗆		:			
computer readable form; see (c) below) —		(i)	(indicate type and number of carriers) copy submitted for the purposes of international se	earch under			
Total number of sheets :	29		Rule 13ter only (and not as part of the internationa only where check-box (b)(i) or (c)(i) is marked in left	l application) :			
(b) only in computer readable (Section 801(a)(i))	form	(,	additional copies including, where applicable, the purposes of international search under Rule 13ter	copy for the			
(i) sequence listings		(iii)	_ · ·	of the copy or			
(ii) ☐ tables related thereto (c) ☐ also in computer readable f	[orm	10. 🗖	tables in computer readable form related to sequence I				
(Section 801(a)(ii)) (i) ☐ sequence listings		(i)	(indicate type and number of carriers) copy submitted for the purposes of international se	earch under			
(ii) tables related thereto			Section 802(b-quater) only (and not as part of the application)	international :			
Type and number of carriers (di CD-ROM, CD-R or other) on whi contained the	iskette, ch are	(ii)	(only where check-box (b)(ii) or (c)(ii) is marked in leadditional copies including, where applicable, the purposes of international search under Section 802	copy for the			
sequence listings:	of the copy or						
tables related thereto: (additional copies to be indicated			copies with the tables mentioned in left column other (specify):	:			
items 9(ii) and/or 10(ii), in right c	column)	🔾	Galet (specify).				
Figure of the drawings which should accompany the abstract: Language of filing of the international application: English							
Box No. X SIGNATURE OF A Next to each signature, indicate the name of	PPLICANT	Γ, AGEN ting and the	T OR COMMON REPRESENTATIVE capacity in which the person signs (if such capacity is not obvious	s from reading the request).			
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GOLDSTEIN, Steven J.							
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Date of actual receipt of the purported international application: Drawings:							
received:							
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:							
4. Date of timely receipt of the required corrections under PCT Article 11(2):							
5. International Searching Authority (if two or more are competent): ISA / 6. Transmittal of search copy delayed until search fee is paid							
		For Inte	rnational Bureau use only				
Date of receipt of the record copy by the International Bureau:							

Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which Continuation of Box IV a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No...." (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in
- (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant:
- if, in Box No. II or in any of the sub-boxes of Box No. III, the (iii) inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;
- (vi) if, in Box No. VI, there are more than five earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any 2. State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.

GOLDSTEIN, Steven J. ACHESON, Edwin R. ALBAINY-JENEI, Stephen R. FRANKLIN, David E. GALLAGHER, William E. ROBINSON, Ann G. SCHMIT, David E. SCHALNAT, Ria Farrell SCHNAPP, Karyln A. SKINKISS, Ralph J. SPRECHER, Kevin S.

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This sheet is not part of and does not count as a sheet of the international application.

PCT

FEE CALCULATION SHEET

International Application No.

For receiving Office use only

Annex to the R	equest	тистивнопы г трри				
Applicant's or agent's file reference 05	519936	Date stamp of the r	receiving Office			
Applicant						
BATTELLE MEMORIAL IN	ISTITUTE	· · · · · · · · · · · · · · · · · · ·				
CALCULATION OF PRESCRIBED	FEES	•				
1. TRANSMITTAL FEE		· · · · <u> </u>	240.00 T			
2. SEARCH FEE		L	1119.00 S			
International search to be carried ou (If two or more International Searching search, indicate the name of the Authorit		ut the international ternational				
3. INTERNATIONAL FEE Basic Fee						
Where items (b) and/or (c) of Box N	lo. IX apply, enter Sub-total nu	mber of sheets	29			
Where items (b) and (c) of Box No.	IX do not apply, enter Total nu	mber of sheets } —				
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	fee per sheet					
Add amounts entered at b1, b2 and b	o3 and enter total at B	476	.00 В			
Designation Fees						
The international application contain						
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(Applicants from certain States are international fee. Where the applicant to be entered at I is 25% of the sum of	e entitled to a reduction of 75% is (or all applicants are) so entitled, f the amounts entered at B and D.	% of the the total				
4. FEE FOR PRIORITY DOCUMENT			20.00 P			
6 TOTAL FEEG BANGE			4575.00			
5. TOTAL FEES PAYABLE Add amounts entered at T, S, I and F			TOTAL			
The designation fees are not paid						
MODE OF PAYMENT			i:			
authorization to charge deposit account (see below)	postal money order	cash	coupons			
cheque	☐ bank draft	revenue stamps	other (speci	ify):		
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Authorization to charge the total fe		Date: 4	Date: 27 October 2003			
(This check-box may be marked only of the receiving Office so permit) Autor credit any overpayment in the to	thorization to charge any deficien	115	Name: GOLDSTEIN, Steven J.			
Authorization to charge the fee for		Signatur	. A.	えらら		
Form PCT/RO/101 (Annex) (January 200	03; reprint July 2003)		Set Note.	s to the fee calculation sheet		